

IN THE CLAIMS:

Please cancel claims 20-22, without prejudice or disclaimer.

Claims 1-22 (Canceled).

23. (Currently Amended) ~~The communication method according to Claim 20, further comprising the steps of:~~ A communication method for a mobile terminal moving between networks, comprising the steps of:

receiving a first message on a second network, when said mobile terminal has moved from a first network executing communications by using at least a first kind of protocol to said second network executing communications by using a second kind of protocol;

detecting that said mobile terminal has moved to said second network, based on information included in said first message;

acquiring a first address that complies with said second kind of protocol on said second network;

creating a third message for requesting registration of said first address to said first movement assistance apparatus, said third message being compliant with said first kind of protocol; and

creating said a second message by capsulizing said third message into a message that complies with said second kind of protocol; and

transmitting said second message including said first address to a first movement assistance apparatus connected to said first network.

24. (Previously Presented) The communication method according to claim 23,

wherein said third message includes a third address that complies with said first kind of protocol and said first address, said third address being an address of said mobile terminal.

25. (Currently Amended) ~~The communication method according to claim 20, further comprising the steps of:~~ A communication method for a mobile terminal moving between networks, comprising the steps of:

receiving a first message on a second network, when said mobile terminal has moved from a first network executing communications by using at least a first kind of protocol to said second network executing communications by using a second kind of protocol;

detecting that said mobile terminal has moved to said second network, based on information included in said first message;

acquiring a first address that complies with said second kind of protocol on said second network;

creating a third message for notifying said first movement assistance apparatus of said first address, said third message being compliant with said first kind of protocol; and

creating said a second message by adding header information to said third message, said header information being compliant with said second kind of protocol, said header information including a second address that complies with said second kind of protocol as a destination address and said first address as a source address, and said second address being an address of said first movement assistance apparatus; and

transmitting a second message including said first address to a first movement assistance apparatus connected to said first network.

26. (Previously Presented) The communication method according to claim 23, further comprising the step of:

receiving a fourth message for notifying said mobile terminal that said first address has been registered, said fourth message being transmitted from said first mobile assistance apparatus.

27. (Previously Presented) The communication method according to claim 25, further comprising the step of:

receiving a fourth message transmitted from said first movement assistance apparatus according to said second message.

28. (Previously Presented) The communication method according to claim 26,

wherein, in said fourth message receiving step, said fourth message is created by capsulizing a message that complies with said first kind of protocol into a message compliant with said second kind of protocol, said fourth message including at least said first address as a destination address.

29. (Previously Presented) The communication method according to claim 27,

wherein, in said fourth message receiving step, said fourth message is created by adding a message that complies

with said first kind of protocol to header information that complies with said second kind of protocol, said header information including said first address as a destination address and said second address as a source address.

30. (Previously Presented) A communication method executed by a mobile terminal by using first and second kinds of internet protocols, comprising the steps of:

receiving a first message that complies with said second kind of internet protocol from a second movement assistance apparatus connected to a second network, when said mobile terminal has moved from a first network executing communications by using at least said first kind of internet protocol to said second network executing communications by using said second kind of internet protocol;

detecting that said mobile terminal has moved to said second network from said first network, based on information included in said first message;

acquiring a first IP address to be used for said second network, said IP address being compliant with said second kind of internet protocol; and

transmitting a second message for requesting registration of said first IP address to a first movement assistance apparatus connected to said first network, said

second message being compliant with said second kind of internet protocol.

31. (Previously Presented) The communication method according to claim 30, further comprising the steps of:

creating a third message for requesting registration of said first IP address to said first movement assistance apparatus, said third message being compliant with said second kind of internet protocol; and

creating said second message by capsulizing said third message into a message that complies with said second kind of internet protocol.

32. (Previously Presented) The communication method according to claim 30,

wherein said second message includes a second IP address that complies with said second kind of internet protocol as a destination address and said first IP address as a source address, said second IP address being an address of said first movement assistance apparatus.

33. (Previously Presented) The communication method according to claim 30, further comprising the step of:

receiving a third message that complies with said second kind of internet protocol, said third message being transmitted from said first movement assistance apparatus according to said second message.

34. (Previously Presented) The communication method according to claim 33,

wherein said third message is created by capsulizing a response message that complies with said first kind of internet protocol into a message that complies with said second kind of internet protocol, said third message including said first IP address as a destination address.

35. (Previously Presented) The communication method according to claim 34, further comprising the step of:

decapsulizing said received third message into said response message.

36. (Previously Presented) The communication method according to claim 30, further comprising the steps of:

receiving a third message that complies with said first kind of internet protocol from a third movement assistance apparatus connected to a third network, when said mobile terminal has moved from said first network to said

third network executing communications by using said first kind of internet protocol;

detecting that said mobile terminal has moved from said first network to said third network, based on information included in said third message;

acquiring a second IP address to be used on said third network, said second IP address being compliant with said first kind of internet protocol; and

transmitting a fourth message for requesting registration of said second IP address to said first movement assistance apparatus, said fourth message being compliant with said first kind of internet protocol.

37. (Previously Presented) The communication method according to claim 36, further comprising the step of:

receiving a fifth message that complies with said first kind of internet protocol and which is transmitted from said first movement assistance apparatus according to said fourth message, said fifth message including said second IP address as a destination address.

38. (Previously Presented) The communication method according to claim 30, further comprising the steps of:

receiving a third message that complies with said first or second kind of internet protocol from a third movement assistance apparatus connected to a third network, when said mobile terminal has moved from said first network to said third network executing communications by using said first and second kind of internet protocols;

detecting that said mobile terminal has moved from said first network to said third network, based on information included in said third message;

acquiring a second IP address to be used on said third network, said second IP address being compliant with said first kind of internet protocol; and

transmitting a fourth message for requesting registration of said second IP address to said first movement assistance apparatus, said fourth message being compliant with said first kind of internet protocol.

39. (Previously Presented) The communication method according to claim 30, further comprising the steps of:

receiving from said first movement assistance apparatus a third message that complies with said first kind of internet protocol, when said mobile terminal has moved from said second network to said first network;

detecting that said mobile terminal has moved to said first network, based on information included in said third message; and

transmitting a fourth message for requesting registration of a second IP address that complies with said first kind of internet protocol to said first movement assistance apparatus, said fourth message being compliant with said first kind of internet protocol, and said second IP address being an address of said mobile terminal.

40. (Previously Presented) A communication method executed by a mobile terminal moving between networks, comprising the steps of:

receiving a first message on a second network, when said mobile terminal has moved from a first network executing communications by using at least a first kind of internet protocol to said second network;

detecting that said mobile terminal has moved to said second network from said first network, based on information included in said first message;

acquiring a first IP address to be used on said second network;

creating a second message for requesting registration of said first IP address to a first movement

assistance apparatus connected to said first network, said second message being compliant with said second kind of internet protocol;

capsulizing said second message into a third message that complies with said second kind of internet protocol, if said second network executes communication by using said second kind of internet protocol; and

transmitting said third message to said first movement assistance apparatus.

41. (Previously Presented) The communication method according to claim 40, further comprising the step of:

transmitting said second message to said first movement assistance apparatus, if said second network executes communications by using said first kind of internet protocol.

42. (Previously Presented) The communication method according to claim 40,

wherein, in said first message receiving step, said first message is transmitted from a second movement assistance apparatus connected to said second network.

43. (Previously Presented) The communication method according to claim 40,

wherein, in said capsulizing step, said third message is created by adding header information that complies with said second kind of internet protocol to said second message, said header information including an IP address of said first movement assistance apparatus as a destination address and said first IP address as a source address, said IP address of said first movement assistance apparatus being compliant with said second kind of internet protocol.

44. (Previously Presented) The communication method according to claim 40, further comprising the step of:

receiving a fourth message transmitted from said first movement assistance apparatus according to said third message.

45. (Previously Presented) The communication method according to claim 44,

wherein, in said fourth message receiving step, said fourth message is created by capsulizing a response message that complies with said first kind of internet protocol into a message that complies with said second kind of internet protocol.

46. (Previously Presented) The communication method according to claim 45, further comprising the step of:  
decapsulizing said fourth message into said response message.

47. (Previously Presented) A communication method by a mobile terminal moving between networks, comprising the steps of:

receiving a first message on a second network, when said mobile terminal has moved from a first network executing communications by using at least a first kind of internet protocol to said second network;

detecting that said mobile terminal has moved to said second network from said first network, based on information included in said first message;

determining whether said second network executes communication by using said second kind of internet protocol;

acquiring a first IP address to be used on said second network;

creating a second message for requesting registration of said first IP address to a movement assistance apparatus connected to said first network; and

transmitting said second message to said movement assistance apparatus, if said second network executes communications by using said first kind of internet protocol.